

**ABSTRACT OF THE DISCLOSURE**

An optical connector for use in multilayer electro-optic circuit boards. An electro-optical back plane circuit board uses both electrical and optical connectors to carry signals in both electrical and light form. The optical connector employs redundant alignment features to provide for reliable connectivity between plug in boards and the electro-optic back plane. A process is of forming the back plane and other multilevel circuit boards so as to embed optical connectors is disclosed.